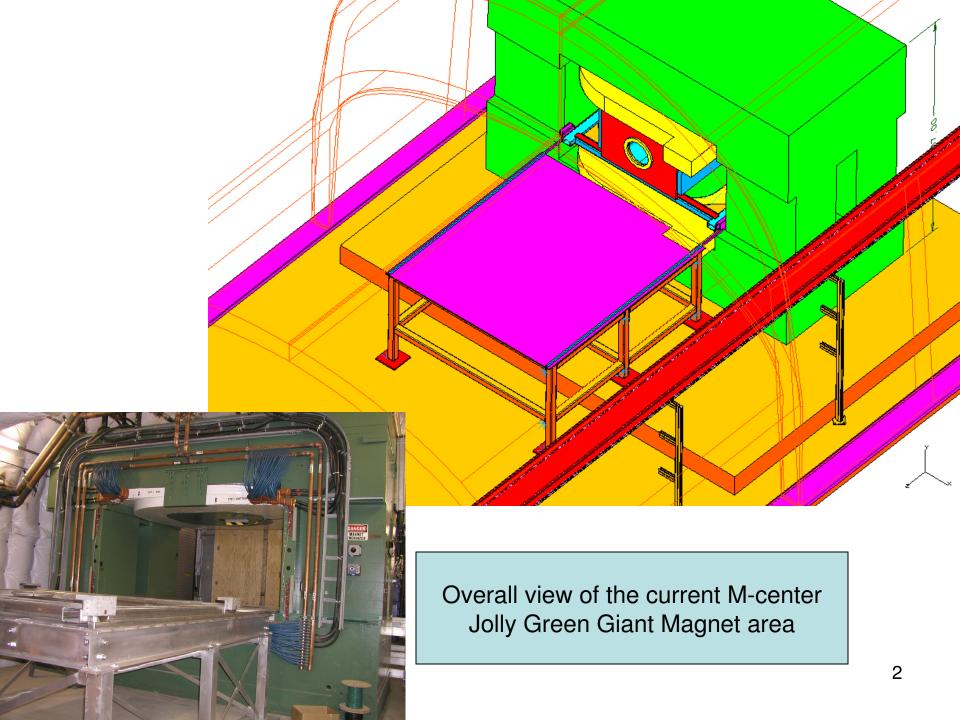
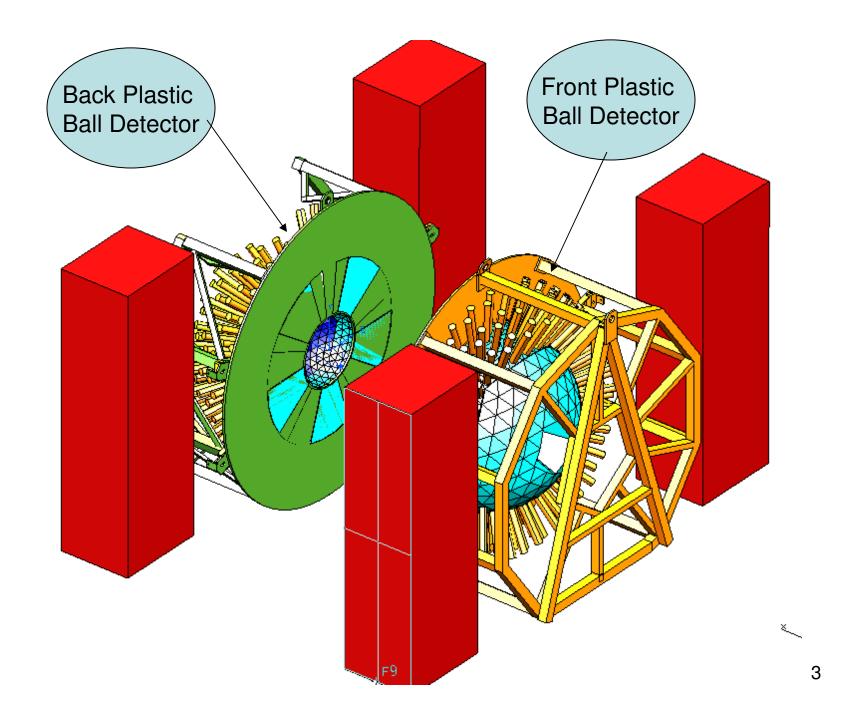
<u>Mechanical Preliminary Design Layout</u> <u>for MIPP Upgrade</u>

Fermilab/PPD/MD

by Jim Kilmer, Dave Pushka, Edward Chi

April 28, 2007





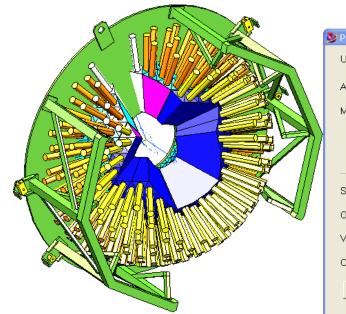


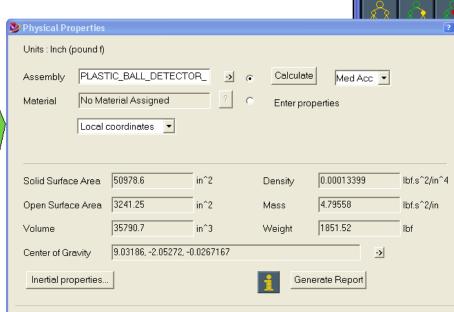
Needs more engineering details:

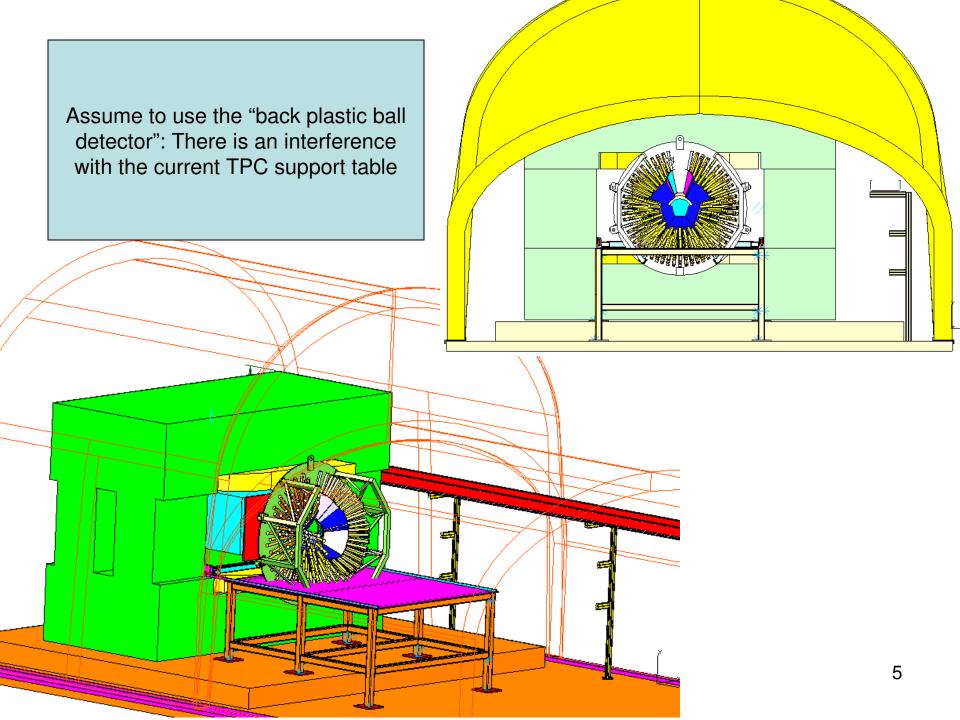
Which ball?
Materials?
Eng. drawings?

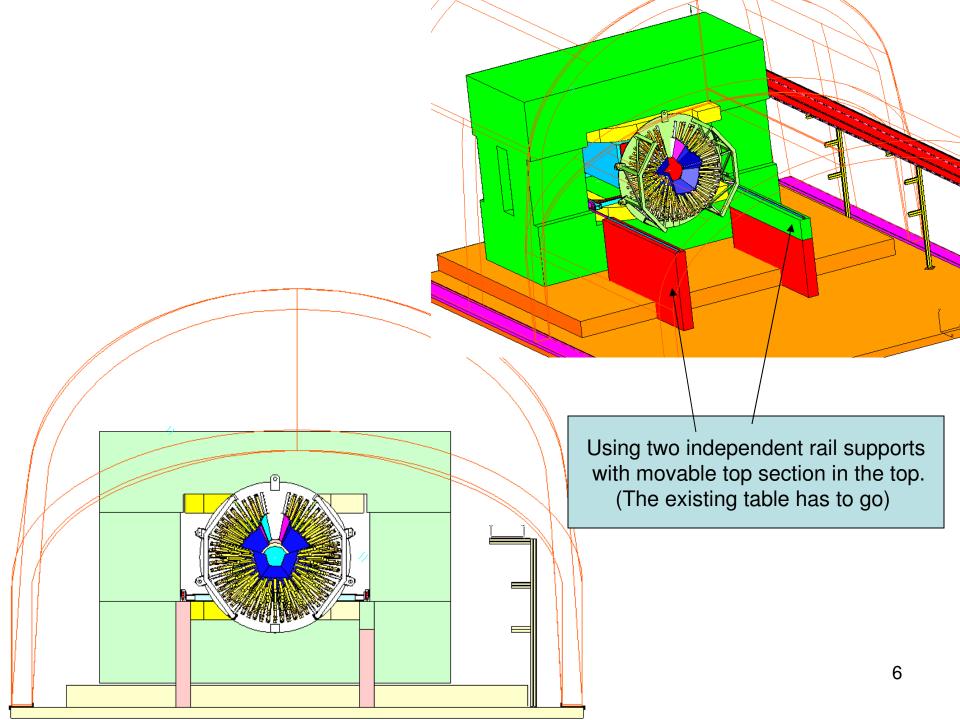
Master Assembly

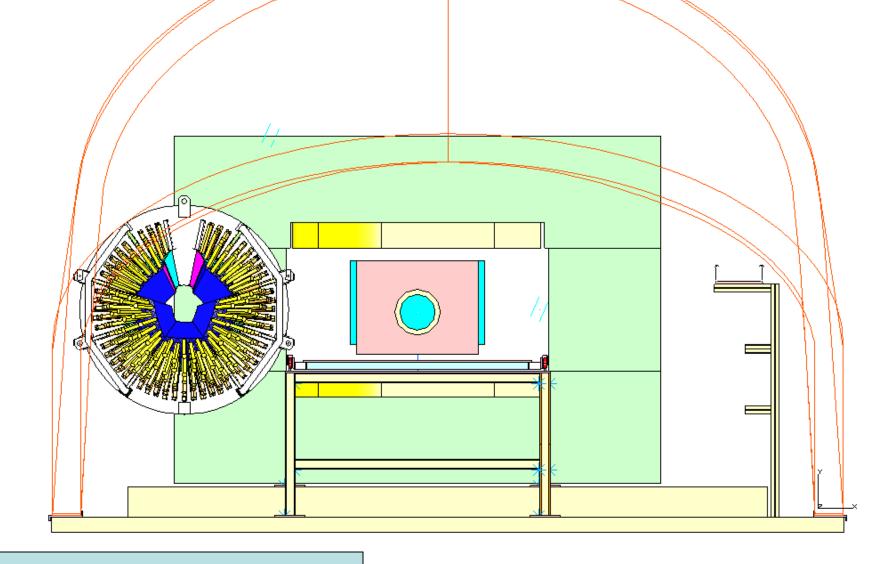
Go to http://home.fnal.gov/~edchi/E907-07/dimensions%20and%20properties/ for more property details.





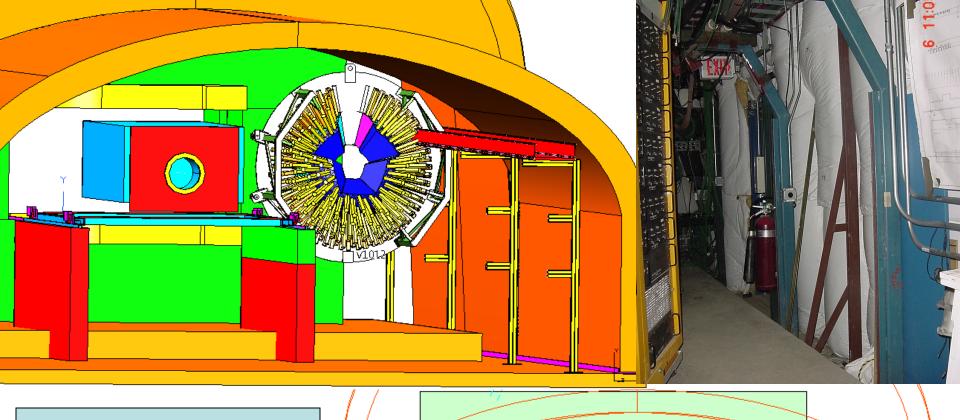






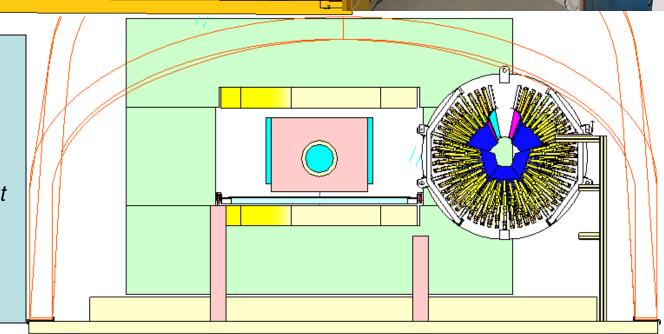
Option #1:

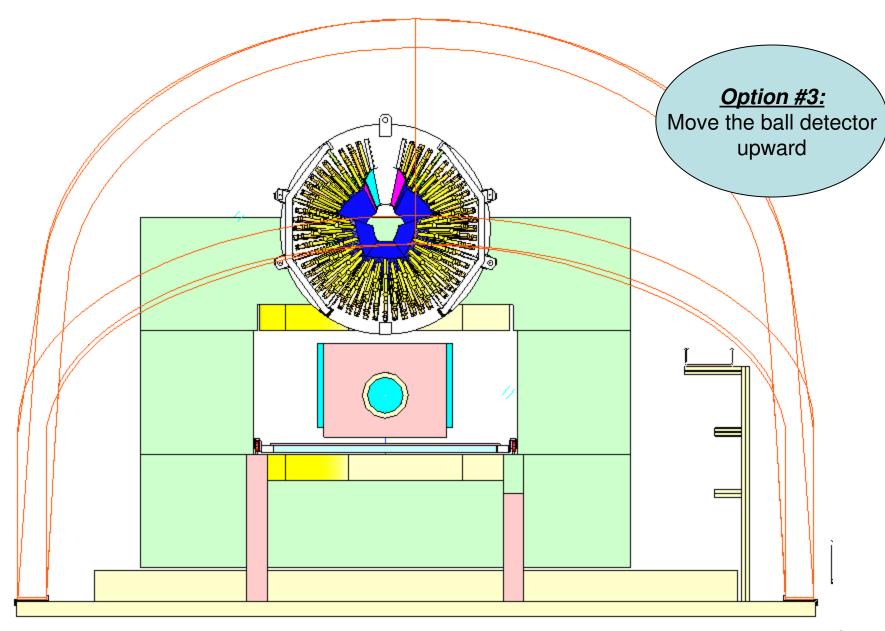
Move the ball detector to the west side of the hall – *The ball detector* will have interference with the hall.

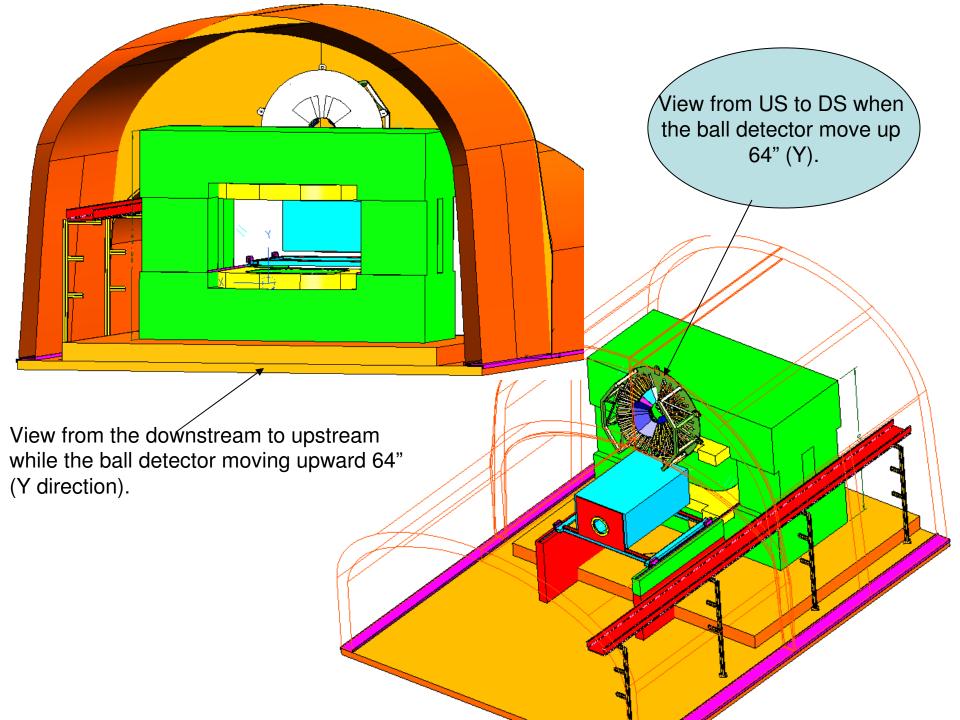


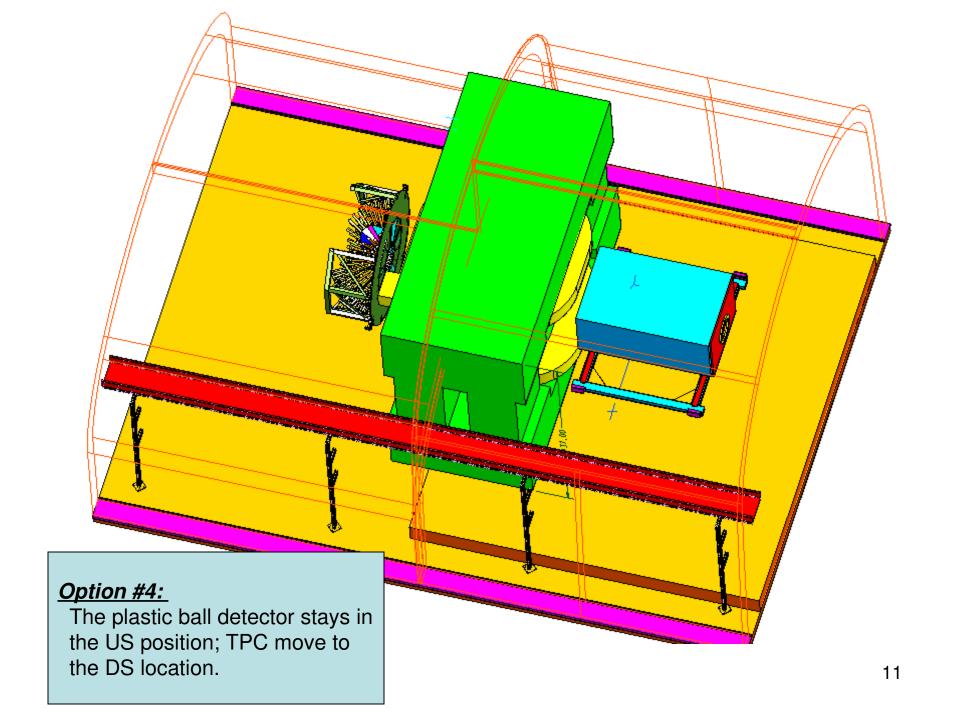
Option #2:

Move the plastic ball detector to the east – No interference w/ the hall, but has inter. with the existing cable tray.









Four options - advantage, disadvantage, Which one?

Specifications: repeatability (cost, time)

Refrigerator, Hydrogen target – movable?

Others?